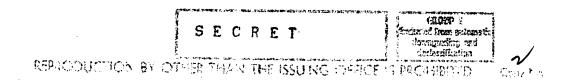
1. PARA 1 REF MSG: IN ORDER TO SUPERIMPOSE "RAW" VIDEO ON X BAND CHANNEL THE FOLLOWING HAD TO BE ACCOMPLISHED:

REF ADIC 2710

- A. INSTALLED A .001 CAPACITOR IN SERIES WITH THE "RAW" VIDEO OUTPUT IN THE TEE CONNECTION THAT FEEDS X BAND VIDEO TO THE TAPE RECORDER.
- B. THIS WAS NECESSARY BECAUSE "RAW" VIDEO IS TAKEN DIRECTLY OFF OF THE CATHODE RESISTOR OF THE CATHODE FOLLOWER STAGE SYS XII. IT HAS A BIAS POTENTIAL OF A PLUS 17 VOLTS D.C. WITHOUT THE BLOCKING CAPACITOR THIS POTENTIAL IS APPLIED DIRECTLY ACROSS THE B RECORDER HEAD. THIS CONDITION PREVENTS THE HEAD FROM RESPONDING TO THE VIDEO SIGNAL FROM X BAND INFO-AMP.
- 2. TEST INDICATE THAT BECAUSE OF LOW LEVEL AND SHORT PULSE WIDTH OF 75 TO 100 MICROSECONDS, AND BECAUSE OF A POOR HI-FREQ RESPONSE OF THE B RECORDER THE SIGNAL LEVEL IN PLAY BACK WAS ONLY SLIGHTLY ABOVE THE NOISE LEVEL.



SECRET

Ø833 (IN 65242)

PAGE TWO

50X1

- 3. PARA 2. WILL COMPLY.
 - 4. PARA 3. WILL ADVISE CAPABILITY WHEN 15 CPS SCAN RATE

RECOGNIZERS RECEIVED THIS STATION FOR INSTALLATION.

END OF MESSAGE

SECRET